

10/574999  
IAF9 Rec'd PCT/PTO 07 APR 2015

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Case No. 06-224)

In the Application of: )  
Leslie Raymond Bates et al ) Examiner: Unknown  
Serial No. To Be Assigned )  
Filed: Currently Herewith ) Group Art Unit: Unknown  
Title: Improvements in and Relating to Oil Well )  
Perforators )

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

## PRELIMINARY AMENDMENT

Please amend the abstract and claims of this application as follows before calculating the application filing fee.

**Amendments to the Abstract** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begin on page 3 of this paper.

**Remarks** begin on page 6 of this paper.